

## Program Description

In today's rapidly evolving industrial landscape, the role of an Industrial Maintenance Technician has never been more crucial. These skilled professionals are the often-unsung heroes working behind the scenes, ensuring our factories, plants, and machinery operate at peak efficiency. They serve as problem solvers, troubleshooters, and guardians of the equipment that powers factories, plants and businesses.

Through this program, you can explore a variety of industrial systems and acquire essential knowledge of electrical and mechanical equipment. You will learn to identify machinery, understand the theory of operation, and maintenance skills applicable to various applications, including mechanical, hydraulics, and pneumatics. Troubleshooting, reading schematics, and utilizing technical manuals will be integral parts of your toolkit as you gain expertise in both preventive and corrective maintenance.

Course #	Course Requirements	Clock Hours	Credit Hours
ORN120	Fundamentals of Technology	100	4
ELC122	Basic Electricity and Circuits	100	4
ELC123	Intermediate Electricity and Schematics	100	4
ELC127	Structural Wiring	100	4
ELC235	Electrical Motors and Drive Controls	100	4
ELC250	Advanced Energy Systems	100	4
HVA121	Fundamentals of HVAC and Refrigeration	100	4
IMT124	Metal Repair and Fabrication	100	4
IMT138	Pumps and Fluid Control	100	4
IMT231	Hydraulics and Pneumatics	100	4
IMT245	Material Handling and Conveyance	100	4
IMT260	Industrial Control Systems	100	4
<b>Total</b>		<b>1,200</b>	<b>48</b>

- Students attend class four days per week on various schedules
- Program length is approximately 15 months (including breaks and holidays)
- Graduates will receive a Diploma in Industrial Maintenance Technology